

RECEIVED  
CENTRAL FAX CENTERMS#155706.1 (4931)  
PATENT

Application of Burkhardt et al.  
Serial No. 09/912,864

Filed July 24, 2001

Confirmation No.: 6214

For: METHOD AND SYSTEM FOR CREATING AND EMPLOYING AN  
OPERATING SYSTEM HAVING SELECTED FUNCTIONALITY

Examiner: Suresh Suryawanshi

JAN 03 2005

Art Unit: 2115

**EXAMINER INTERVIEW****PROPOSED NEW CLAIM FOR DISCUSSION**  
**W/EXAMINER**

Claim 1. (currently amended) A computerized method comprising:

providing a user with access to a text-based script;

editing, by the user, the text-based script to provide a user-customized, text-based script;

booting a computer from a[n] reduced operating system image on a computer readable medium, wherein said computer has an architecture greater than 32-bits; and

performing one or more functions on the computer according to the user-customized, text-based script.

Claim 2. (currently amended) The computerized method of claim 1, wherein performing comprises installing another operating system image on the computer.

Claim 3. (original) The computerized method of claim 2, wherein the computer includes a mass storage device and wherein performing comprises partitioning the mass storage device.

Claim 4. (original) The computerized method of claim 2, wherein the computer includes a mass storage device and wherein performing comprises formatting the mass storage device.

MS#155706.1 (4931)  
PATENT

Claim 5. (currently amended) The computerized method of claim 4, wherein formatting comprises formatting the mass storage device with a file system in a format supported by the reduced operating system image.

Claim 6. (original) The computerized method of claim 2, wherein the computer includes hardware and wherein performing further comprises validating the hardware.

Claim 7. (currently amended) The computerized method of claim 6, wherein the reduced operating system image includes protected mode hardware drivers operable in a protected mode of the reduced operating system image, wherein validating comprises:

prior to installing, validating the hardware using protected mode hardware drivers.

Claim 8. (currently amended) The computerized method of claim 2, wherein installing comprises copying one or more files associated with the [[an]]other operating system image to the computer and integrating the files.

Claim 9. (original) The computerized method of claim 8, wherein the script identifies a plurality of steps in which the files are copied and integrated and wherein the script identifies the sequence in which the plurality of steps are executed.

Claim 10. (original) The computerized method of claim 1, wherein the computer has a 64-bit architecture.

Claim 11. (original) The computerized method of claim 1, wherein booting and performing are operative on a computer having an architecture of 32-bits or less.

Claim 12. (currently amended) The computerized method of claim 1, wherein booting comprises:

setting a flag; and

MS#155706.1 (4931)  
PATENT

responsive to the set flag, enabling functionality within the reduced operating system image.

Claim 13. (original) The computerized method of claim 12, further comprising allowing user mode software to perform configuration responsive to the set flag.

Claim 14. (original) The computerized method of claim 12, wherein functionality includes loading configuration information into volatile memory.

Claim 15. (original) The computerized method of claim 1, wherein the computer readable medium includes the script.

Claim 16. (original) The computerized method of claim 1, wherein the script is remote from the computer readable medium.

Claim 17. (original) The computerized method of claim 1, wherein performing comprises recovering the computer from failure of software.

Claim 18. (original) The computerized method of claim 17, wherein the software includes an operating system or an application program.

Claim 19. (original) The computerized method of claim 1, wherein the computer readable medium is accessible by the computer via a network.

Claim 20. (currently amended) The computerized method of claim 1, further comprising editing the user-customized, text-based script so that performing installs another operating system image.

Claim 21. (original) One or more computer readable media having computer-executable instructions for performing the method recited in claim 1..

MS#155706.1 (4931)  
PATENT

Claim 22. (currently amended) The reduced operating system image on the computer resulting from the computerized method of claim 2.

Claim 23. (currently amended) A system comprising:

means for editing, by a user, a text-based script to provide a user-customized, text-based script;

means for booting a computer from a[n] reduced operating system image on a computer readable medium, wherein said computer has an architecture greater than 32-bits; and

means for performing one or more functions on the computer according to the user-customized, text-based script.

Claim 24. (currently amended) A computerized method comprising:

providing a user with access to a text-based script;

editing, by the user, the text-based script to provide a user-customized, text-based script;

booting a computer from a reduced first operating system image on a computer readable medium; and

installing [a] another second operating system image on the computer according to the user-customized, text-based script, wherein booting and installing include only one re-boot of the computer.

Claim 25. (original) The computerized method of claim 24, wherein the script is located on the computer readable medium.

Claim 26. (original) The computerized method of claim 24, wherein the computer includes hardware and further comprising validating the hardware.

Claim 27. (original) The computerized method of claim 24, wherein the computer includes a mass storage device and wherein installing comprises formatting the mass storage device.

MS#155706.1 (4931)  
PATENT

Claim 28. (currently amended) The computerized method of claim 24, wherein installing comprises copying one or more files associated with the second another operating system image to the computer and integrating the files.

Claim 29. (original) The computerized method of claim 28, wherein the script identifies a plurality of steps in which the files are copied and integrated and wherein the script identifies the sequence in which the plurality of steps are executed.

Claim 30. (original) The computerized method of claim 24, wherein the computer includes the computer readable medium.

Claim 31. (currently amended) A system comprising:

a first operating system image with operating system components selected by a user, wherein the first operating system is reduced;  
a second operating system image; and  
a text-based script file customizable by a user which interacts with the first operating system image to install the second operating system image on a computer, wherein the computer has an architecture greater than 32-bits, and wherein said text-based script file includes text editable by a user.

Claim 32. (original) The system of claim 31, wherein each of the operating system components comprises at least one file.

Claim 33. (original) The system of claim 31, wherein the operating system components include hardware drivers.

Claim 34. (original) The system of claim 31, wherein the second operating system image includes a plurality of operating system components and wherein the first operating system image includes a subset of the plurality of operating system components.

MS#155706.1 (4931)  
PATENT

**Claim 35. (original)** The system of claim 31, wherein the computer has a 64-bit architecture.

**Claim 36. (original)** The system of claim 31, wherein the script file is operative on a computer having an architecture of 32-bits or less.

**Claim 37. (currently amended)** A computer readable recovery medium for use with a computer comprising:

a[n] reduced operating system image; and

a text-based script file which interacts with the reduced operating system image to direct recovery from failure of software on the computer, and wherein said text-based script file includes text editable by a user.

**Claim 38. (original)** The computer readable recovery medium of claim 37, wherein the software includes another operating system image.

**Claim 39. (currently amended)** A computerized method of creating a[n] reduced operating system image on a destination medium, said method comprising:

selecting a subset of operating system components from a plurality of operating system components based on a desired functionality to be enabled;

generating a list of files associated with the selected subset of operating system components, said generated list of files being text-based and editable by a user; and

installing the selected subset of operating system components on the destination medium as the reduced operating system image, wherein installing includes copying the files from an installation medium to the destination medium.

**Claim 40. (original)** The computerized method of claim 39, wherein the operating system components include hardware drivers.

MS#155706.1 (4931)  
PATENT

Claim 41. (original) The computerized method of claim 39, further comprising creating at least one hive, wherein installing includes copying the created hives to the destination medium.

Claim 42. (original) The computerized method of claim 39, wherein installing further comprises integrating the files on the destination medium.

Claim 43. (original) The computerized method of claim 39, further comprising selecting additional operating system components, and wherein installing comprises installing the additional operating system components on the destination medium.

Claim 44. (original) One or more computer readable media having computer-executable instructions for performing the method recited in claim 39.

Claim 45. (currently amended) The reduced operating system image on the destination medium resulting from the computerized method of claim 39.

Claim 46. (currently amended) A system of creating a[n] reduced operating system image on a destination medium, said system comprising:

means for selecting a subset of operating system components from a plurality of operating system components based on a desired functionality to be enabled;

means for generating a list of files associated with the selected subset of operating system components, said generated list of files being text-based and editable by a user; and

means for installing the selected subset of operating system components on the destination medium as the reduced operating system image, wherein installing includes copying the files from an installation medium to the destination medium.

Claim 47. (currently amended) A system for creating a[n] reduced operating system image on a destination medium from a plurality of operating system components, said system comprising:

MS#155706.1 (4931)  
PATENT

at least one application program which, when executed by one or more processors on a computer, causes the one or more processors to perform acts including allowing a user to select a set of operating system components from the plurality of operating system components and generating a list of files associated with the selected set of operating system components, said selected operating system components being selected to enable a desired functionality, said generated list of files being text-based and editable by the user; and

operating system component modifications which allow the selected set of operating system components to execute as the reduced operating system image.

Claim 48. (currently amended) The system of claim 47, further comprising a text-based script for directing performance of one or more functions by the reduced operating system image.

Claim 49. (original) The system of claim 48, wherein the functions include installing an operating system on another computer.

Claim 50. (original) The system of claim 48, wherein the functions include one or more tasks selected from the group consisting of: recovering another computer from software failure, backing up and/or restoring data on another computer, remotely troubleshooting another computer, and using the computer executing the application program as a remote thin client for another computer.

Claim 51. (original) The system of claim 47, wherein the set of operating system components is a subset of the plurality of operating system components.

Claim 52. (original) The system of claim 47, further comprising additional operating system components not present in the plurality of operating system components, and wherein the application program, when executed, further causes the one or more processors to perform acts including allowing the user to add at least one of the additional operating system components to the selected set of operating system components.

MS#155706.1 (4931)  
PATENT

**Claim 53. (original) The system of claim 47, wherein the operating system component modifications include writing state information to volatile memory.**

**Claim 54. (currently amended) The system of claim 47, wherein the application program, when executed, further causes the one or more processors to perform acts including generating the reduced operating system image.**

**Claim 55. (original) The system of claim 47, wherein the application program, when executed, further causes the one or more processors to perform acts including creating at least one hive.**

**Claim 56. (previously presented) The system of claim 23, wherein the means for editing comprises an application program.**